

# SPATIAL-TEMPORAL METHODS AND SYSTEMS FOR RECEPTION OF NON-LINE-OF-SIGHT COMMUNICATION SIGNALS

## ABSTRACT OF THE DISCLOSURE

Receiver systems and methods are provided for processing transmit signals  $S_{tr}$  that are received over a receive channel  $C_{rcv}$  which is formed  
5 by a plurality of receive paths. Method embodiments comprise the steps of a) receiving the transmit signals  $S_{tr}$  with a plurality of spatially separated antennas to form respective receive signals  $S_{rcv}$ , and b) spatially and temporally processing the receive signals  $S_{rcv}$  to form a combined corrected signal  $S_{crct_{cmb}}$  that reduces errors in at least one  
10 signal parameter. Exemplary signal parameters include signal preambles, codes, spreading codes and modulations.